

401569814

664687seq.txt

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SEQUENCE LISTING

<110> TAKARA BIO INC.

<120> Method of screening functional nucleotide molecule

<130> 664687

<150> JP 2003-307624

<151> 2003-08-29

<160> 28

<210> 1

<211> 907

<212> DNA

<213> Mus musculus

<400> 1

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agttgaggac tgcaaaatga atgggggtac accaacctgt gccccatgca cagaagggaa 180  
ggagtacatg gacaagaacc attatgctga taaaatgcaga agatgcacac tctgcgtga 240  
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caaaccagac ttctactgctcg atttcctgg ctgtgaacac tttgttcgtc ggcctcggt 360  
tgaacatgga acccttgagc catgcacagc aaccagcaat acaaactgca ggaaacaaaag 420  
tcccagaaat cgcctatggc ttgtgaccat cttgttttgc ttaattccac ttgtatttt 480  
atatcgaaag tacccggaaaa gaaagtgcgt gaaaaggaga caggatgacc ctgaatctag 540  
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cccgagaatt gctgaagaca tgacaatcca ggaagctaaa aaatttgctc gagaaaataa 660  
catcaaggag ggcaagatag atgagatcat gcatgacagc atccaagaca cagctgagca 720  
gaaagtccag ctgctcctgt gctggatcca atctcatggg aagagtgtatg catatcaaga 780  
tttaatcaag ggtctaaaaa aagccgaatg tcgcagaacc ttagataaat ttcaggacat 840  
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<210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA2-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 2

gugcaagugc aaaccagact t

21

<210> 3

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<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA2-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 3

gucugguuug cacuugcact t

21

<210> 4

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA3-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 4

agccgaaugu cgcagaacct t

21

<210> 5

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA3-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 5

gguucugcga cauucggcut t

21

<210> 6

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA4-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

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<210> 7

<211> 21

664687seq.txt

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA4-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 7

guucugcgac auucggcuut t

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<210> 8

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<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA5-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

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ggauuaauauc aaggaggcct t

21

<210> 9

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA5-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 9

ggccuccuug auauaaucct t

21

<210> 10

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA6-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 10

aucgccuaug guuguugact t

21

<210> 11

<211> 21

<212> DNA

664687seq.txt

<213> Artificial Sequence

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<223> Chimeric oligonucleotide designed as RNA6-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 11

gucaacaacc auaggcgaut t

21

<210> 12

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer to amplify a portion of mouse Fas gene.

<400> 12

cacagttaag agttcatac

19

<210> 13

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer to amplify a portion of mouse Fas gene.

<400> 13

tggttgctgt gcatggctc

19

<210> 14

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer rsGFP-1 to amplify a portion of rsGFP gene.

<400> 14

cagtcacgac tctagaaaag gagaagaact cttcac

36

<210> 15

<211> 38

<212> DNA

<213> Artificial Sequence

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<223> Designed PCR primer rsGFP-2 to amplify a portion of rsGFP gene.

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<212> DNA

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aacatacgga aaacttaccc tgaagttcat ctgcactact ggcaaactgc ctgttccatg 180  
gccaacacta gtcactactc tgtgctatgg tttcaatgc tttcaagat acccggatca 240  
tatgaaacgg catgacttt tcaagagtgc catgcccga ggttatgtac aggaaaggac 300  
catcttcctc aaagatgacg gcaactacaa gacacgtgct gaagtcaagt ttgaaggtga 360  
taccctgtt aatagaatcg agttaaaagg tattgacttc aaggaagatg gcaacattct 420  
gggacacaaa ttgaaataca actataactc acacaatgta tacatcatgg cagacaaaca 480  
aaagaatgga atcaaagtga acttcaagac ccgcacaaac attgaagatg gaagcggtca 540  
actagcagac cattatcaac aaaatactcc aattggcgat ggccctgtcc tttaccaga 600  
caaccattac ctgtcccacac aatctgccct ttgaaagat cccaacgaaa agagagacca 660  
catggccctt cttgagttt taacagctgc tgggattaca catggcatgg atgaactgta 720  
caactgcttag cgctgtgact g 741

<210> 17

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA7-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 17

aagagagacc acauggucc t 21

<210> 18

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA7-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 18

ggaccaugug gucucucuut t

21

&lt;210&gt; 19

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Chimeric oligonucleotide designed as RNA8-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

&lt;400&gt; 19

gcguucaacu agcagaccat t

21

&lt;210&gt; 20

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Chimeric oligonucleotide designed as RNA8-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

&lt;400&gt; 20

uggucugcua guugaacgct t

21

&lt;210&gt; 21

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Chimeric oligonucleotide designed as RNA9-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

&lt;400&gt; 21

agagagacca caugguccut t

21

&lt;210&gt; 22

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Chimeric oligonucleotide designed as RNA9-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

&lt;400&gt; 22

aggaccaugu ggucucucut t

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<210> 23

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA10-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 23

guucucuguc aguggagagt t

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<210> 24

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA10-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 24

cucuccacug acagagaact t

21

<210> 25

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Designed PCR primer GFP-B-F to amplify a portion of rsGFP gene.

<400> 25

gccacaacat tgaagatgga

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<210> 26

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer GFP-B-R to amplify a portion of rsGFP gene.

<400> 26

gaaagggcag attgtgtgga

20

<210> 27

<211> 20

664687seq.txt

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer Neo-F to amplify a portion of neomycin resistant gene.

<400> 27

atagcgttgg ctacccgtga 20

<210> 28

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer Neo-R to amplify a portion of neomycin resistant gene.

<400> 28

gaaggcgata gaaggcgatg 20